

Lesson Plan

Subject Concrete Technology (Code) Th-4 Name of faculty Sadega Khatun
 Semester 6th Class allotted 60 Period Branch Civil Engg.

Discipline	Semester	From date: 14/02/23 To date: 23/05/2023	Teaching Aid
Project	No. of days/ per week	Theory/ Practical - Topics/Lesson	
Week	Date/Period		
1	14/02/2023 to 17/02/2023 (04P/W)	<u>Ch-1 Concrete As a const. Material:-</u> Greater of concrete, Advantages & disadvantages of concrete	White Board & Marker
	20/02/2023 to 25/02/2023 (06P/W)	<u>Ch-2 Cement:-</u> composition, hydration of cement, water-cement ratio & comp. strength, fineness of cement.	White Board & Marker
	27/02/2023 to 04/03/2023 (06P/W)	Setting time, soundness, types of cement. <u>Ch-3</u> classification & characteristics of aggregate, fineness modulus, grading of aggregate. Quality of water for mixing & curing.	White Board & Marker
2	06/03/23 to 11/03/23 (04 P/W)	Classification of admixtures <u>Ch-4</u> Concept of fresh concrete, workability slump test, compacting factor test, v-bee consistency & flow test.	White Board & Marker
	13/03/23 to 18/03/23 (06P/W)	<u>Ch-5</u> cube & cylinder compressive strength, Flexural strength of concrete. stress-strain & elasticity, creep & shrinkage, Permeability, durability of concrete, sulphate chloride & acid attack on concrete.	White Board & Marker
	20/03/23 to 25/03/23 (06P/W)	Efflorescence <u>Ch-6</u> Introduction Data on input required for mix design.	White Board & Marker
3	27/03/23 to 31/03/23 (04P/W)	Normal mix concrete & Design mix concrete concrete mix design Methods of proportioning concrete mix.	White Board & Marker
	31/03/23 to 04/04/23 (04P/W)	D.S code method of mix design.	White Board & Marker


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Week	Date/Period	Theory/ Practical - Topics/Lesson	Teaching Aid
8	03/04/23 to	<u>Ch-7</u> Batching of materials	Whiteboard &
	08/04/23 (05 p/w)	Mixing of concrete materials transportation, placing of concrete	Marker
	10/04/23 to	Compaction, curing of concrete	Whiteboard &
9	15/04/23 (5 p/w)	Formwork - requirements & types, Stripping of forms.	Marker
	17/04/23 to	<u>Ch-8</u> Quality control of concrete.	Whiteboard &
10	21/04/23 (04 p/w)	Factors causing the variations	Marker
	24/04/23 to	Mixing, Transportation, Placing & curing, Inspection & Testing	Whiteboard &
11	29/04/23 (05 p/w)	Durability requirements.	Marker
	01/05/23 to	<u>Ch-9</u> Introduction to ready mix concrete, high performance, silica fume, shot-crete concrete or gunniting.	Whiteboard &
12	06/05/23 (04 p/w)		Marker
	08/05/23 to	<u>Ch-10</u> Types of deterioration Prevention of concrete, corrosion, effects & Prevention.	Whiteboard &
13	13/05/23 (04 p/w)		Marker
	15/05/23 to	<u>Ch-11</u> Symptom, cause & Prevention & remedy of defects during const.	Whiteboard &
14	20/05/23 (04 p/w)		Marker
	22/05/23 to	Cracking of concrete, repair of cracks, Selection of technique, Polymer based repair.	Whiteboard &
15	23/05/23 (02 p/w)	Common types of repair.	Marker

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Sarfa Khan
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